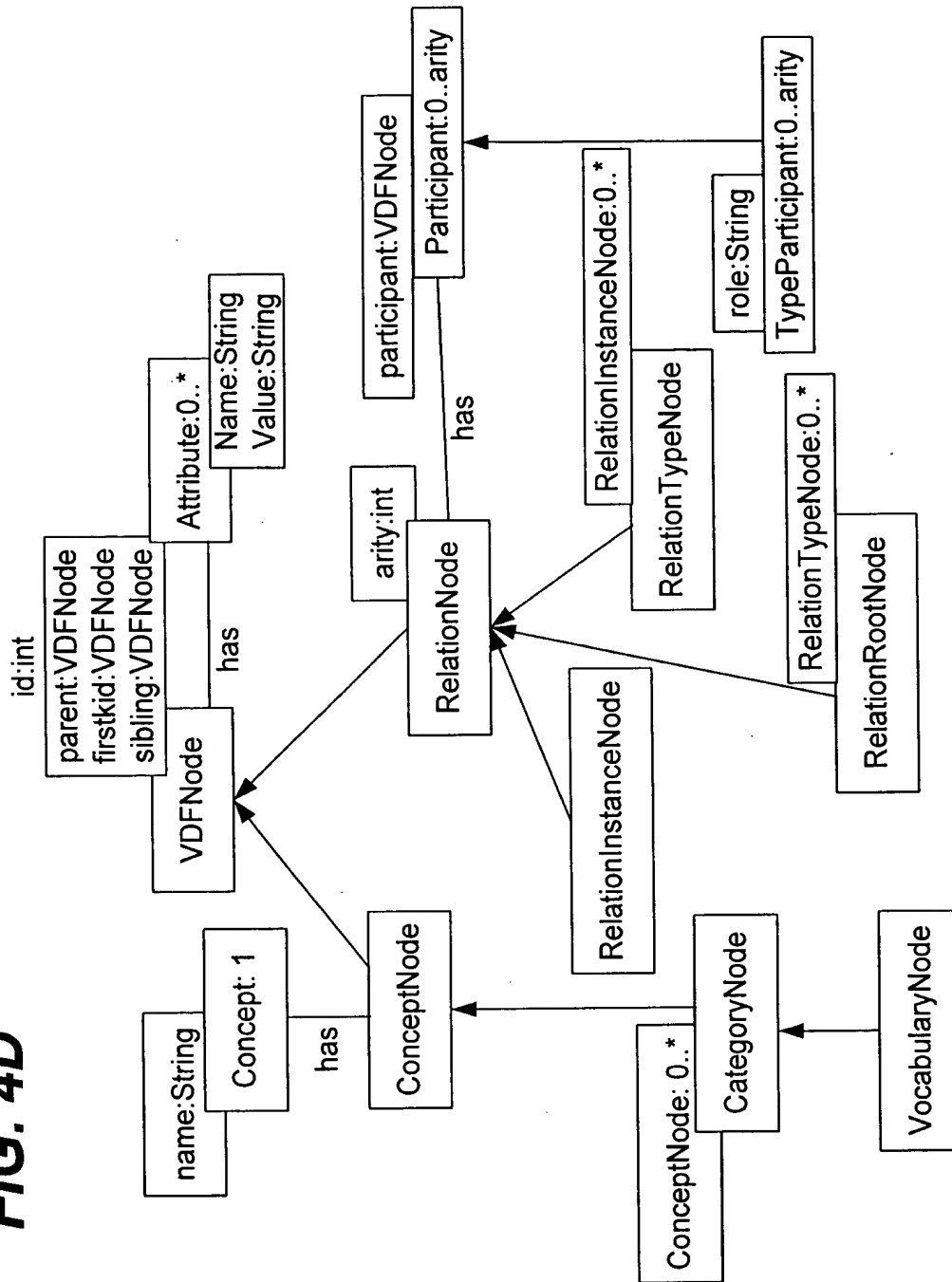




FIG. 4D



Class Hierarchy of MDF Data Structure



Entitled: MULTIPLE LAYER INFORMATION OBJECT
REPOSITORY

Serial No.: 09/925,204

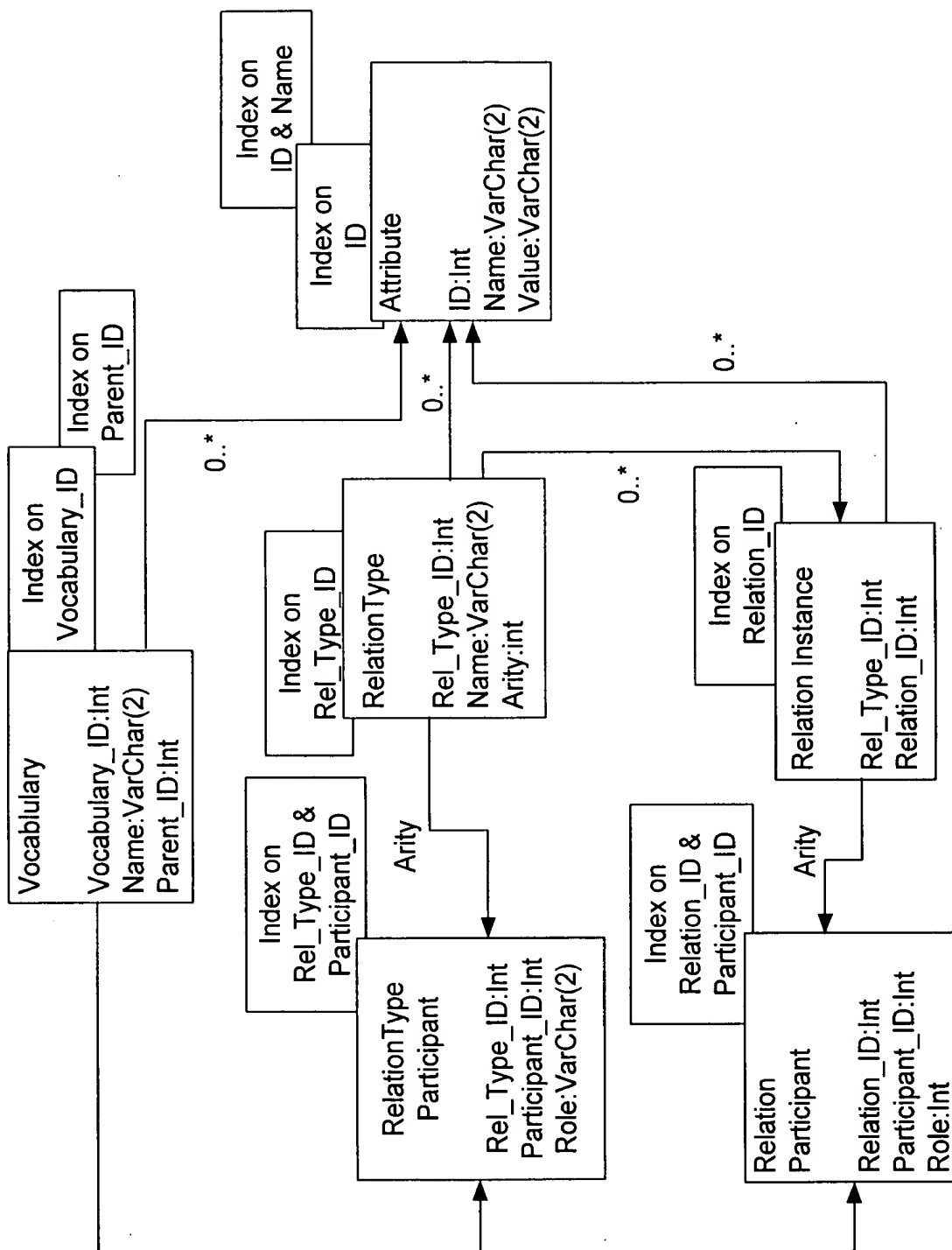
Filed: August 8, 2001

Inventor(s): Michael J. Kirkwood, et al.

Docket No. 50325-0531

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FIG. 4E



MDF Server Persistent Tables



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Inventor(s): Michael J. Kirkwood, et al.

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FIG. 4F

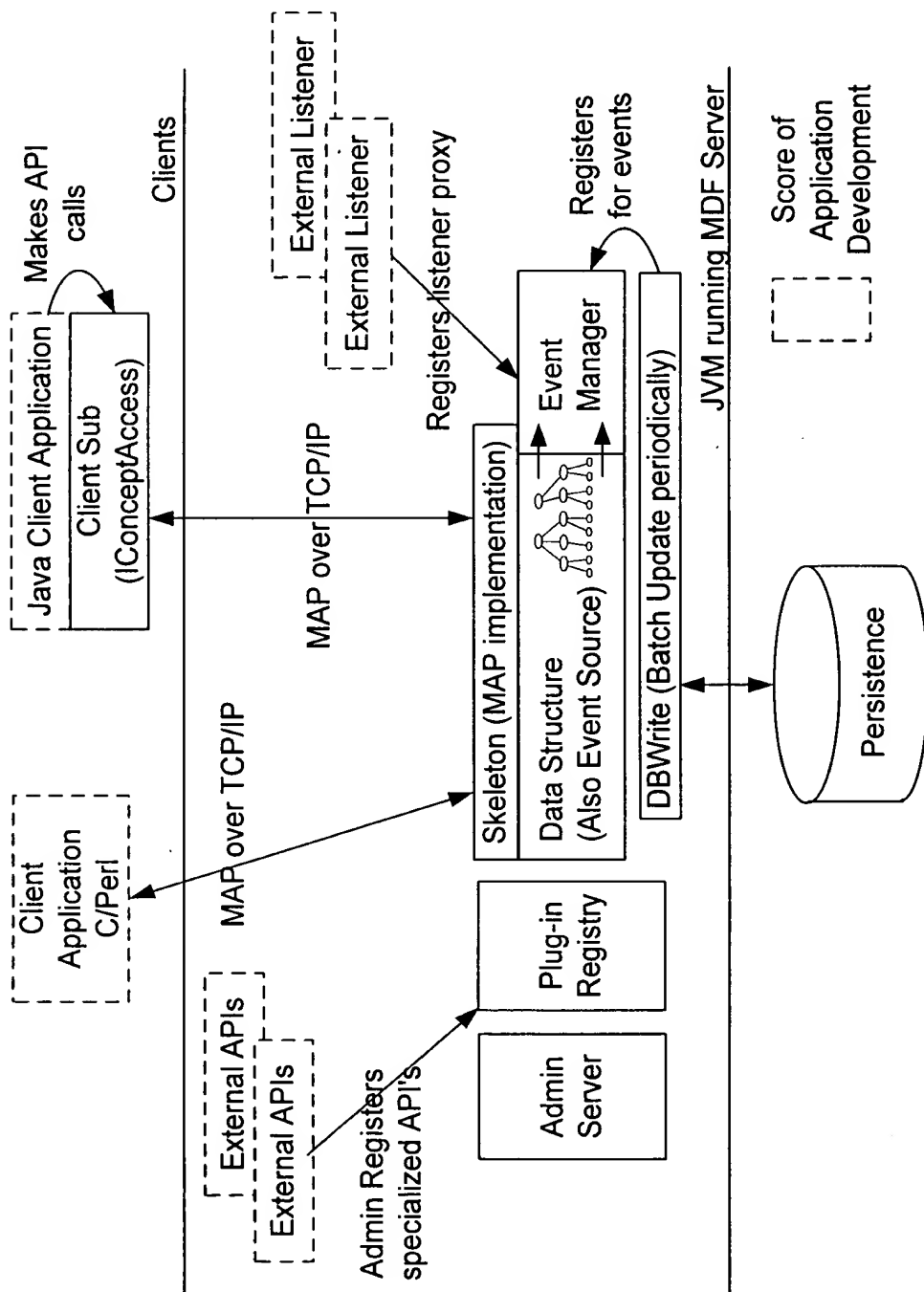
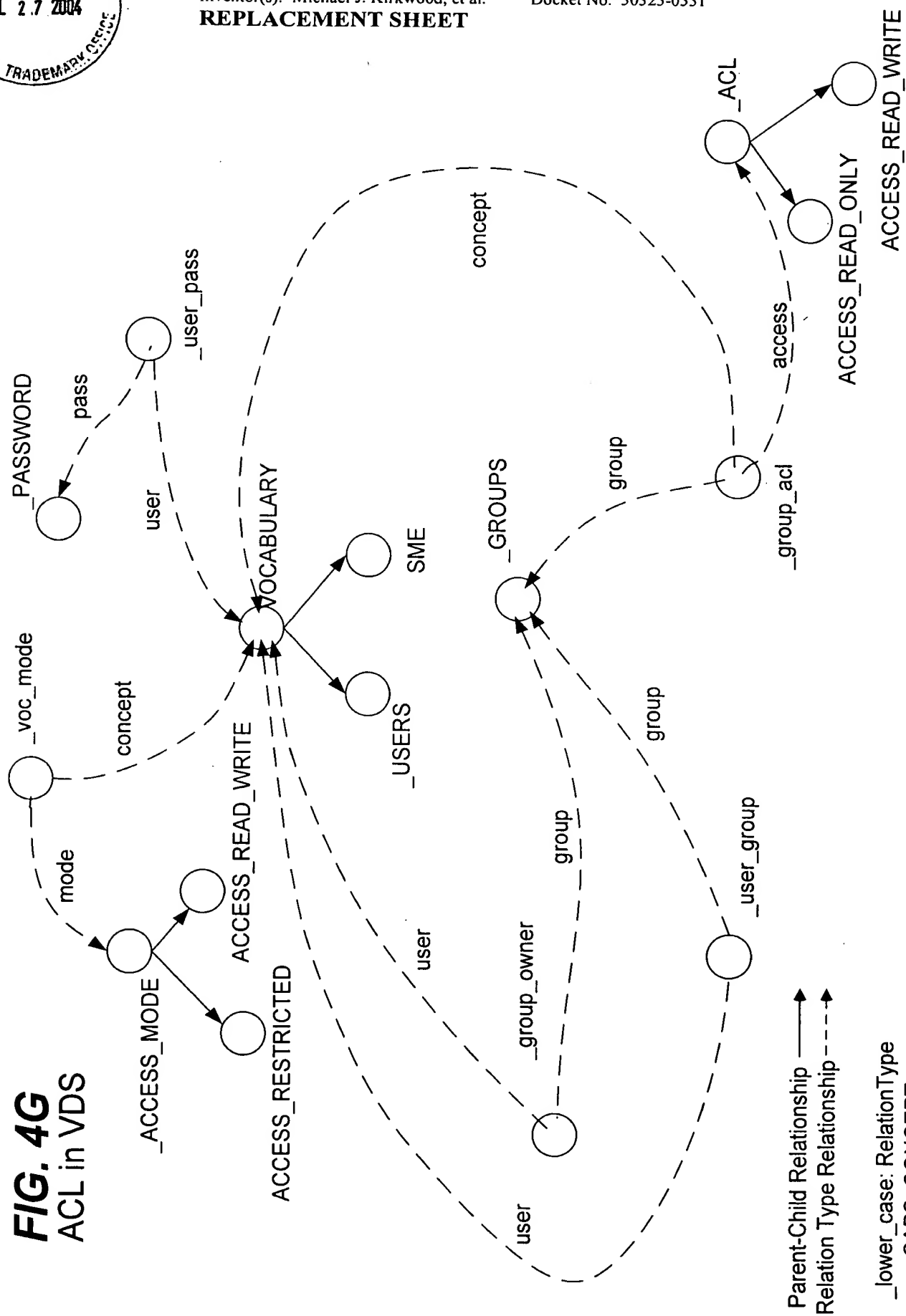


FIG. 4G
ACL in VDS



Note: Vocabulary as Relationship participant includes RelationTypes and instances



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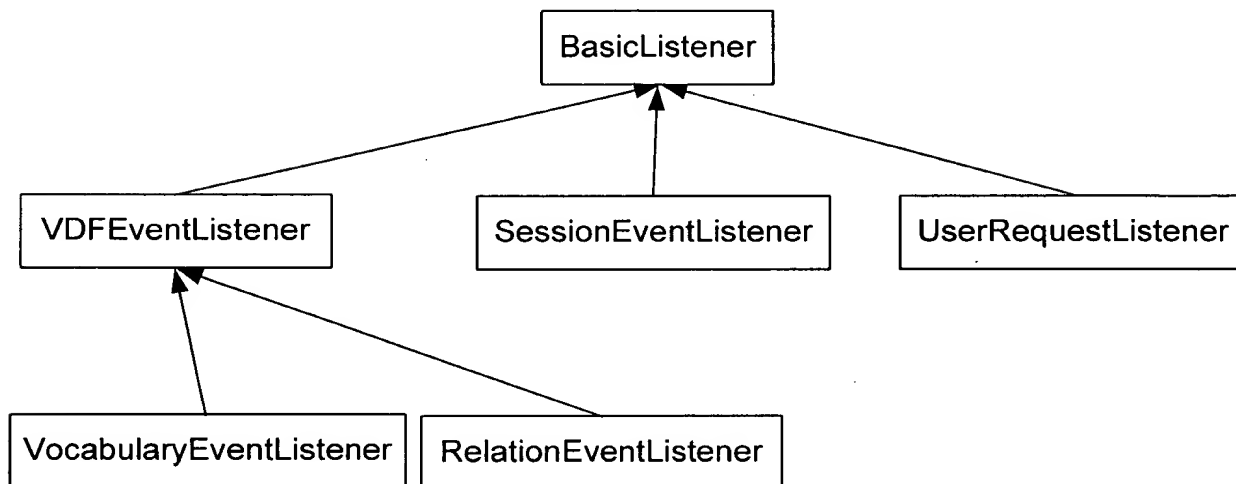
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FIG. 4H



Class Hierarchy of VDS Event Mechanism